

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (previously presented): A router comprising at least two router modules, only one of which is in an active state at any given time, the other router modules being in a standby state, and changeover means which causes one of said other router modules to go from a standby state to an active state when the router module in the active state stops, said router being connected to neighbor routers, and said at least two router modules having respective state machines associated with each of said neighbor routers, wherein each of said router modules further has data storage means which, in the active state, enable it to store data relating to the states of the state machines, when said machines are in stable states, and data retrieval means for retrieving said data when the router module changes over to the active state.
2. (original): A router according to claim 1, in which said data is stored by a shared memory that is shard between said router modules.
3. (original): A router according to claim 1, in which said data is stored by inter-process communications means enabling said router modules to communicate with one another.
4. (previously presented): A router according to claim 3, in which said inter-process communications means are a Common Object Request Broker Architecture (CORBA) software bus.

5. (currently amended): ~~A-~~The router according to claim 1, in which each of said router modules further has means for storing data relating to ~~the~~an associated neighbor router when said associated neighbor router is created, and means for retrieving said data when a changeover to the active state takes place.

6. (previously presented): The router according to claim 1, in which a stable state is a state from at least the following list: “2-way”, “Exchange”, “Full”, and “Loading”.

7. (previously presented) A router according to claim 6, in which said list further includes the state of the machine after a Database Description Packet exchange.

8. (currently amended) ~~A-~~The router according to claim 6, in which each of said routers modules has means for storing any data transmission message received, even though the ~~corresponding respective~~ state machine is in the “Full” state.